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1	15	harmonic adj distorsion	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:36
2	244	harmonic adj reject\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:36
3	7	(harmonic adj reject\$4) with oscillator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:38
4	1	oscillator with harminic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:39
5	4398	oscillator with harmonic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:40
6	449	(oscillator with harmonic) and low-pass	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:40
7	130	((oscillator with harmonic) and low-pass) and eliminate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:41
8	5403	third adj harmonic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 07:55
9	147	(third adj harmonic) near4 oscillator	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 08:02
10	465	vco with harmonic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 08:03
11	2	vco with harmonic with reduct\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 08:05
12	142	(vco with harmonic) and quadrature	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 08:07
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14	1855	quadrature adj modulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/15 08:13

15	708	local adj oscillator with harmonic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:14
16	14	(quadrature adj modulation) and (local adj oscillator with harmonic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:20
17	126	vco adj design	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:20
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19	52254	local near4 signal\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:22
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22	21873	high adj frequency near4 component	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:24
23	20	((quadrature adj modulation) and (local near4 signal\$1) and (low adj pass adj filter\$1)) and (high adj frequency near4 component)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:30
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25	13374	(harmonic or high adj frequency) with suppress\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:33
26	566	(local adj (synthe\$5 oscillat\$5)) and ((harmonic or high adj frequency) with suppress\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:33
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28	0	local adj oscillator adj harmonic adj frequencies	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:50

29	4	local near4 (synthetizer or oscillator) near (harmonic or high) near frequencies	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 08:51
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41	1041	370/206	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/15 10:33
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-	218	375/298 and (low adj pass adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/14 17:52
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-	4943	harmonic\$4 near4 suppress\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/14 18:17
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-	26	((quadrature with modulat\$5) and (((low adj pass) near3 filt\$5) with oscillator)) and (filter with after with oscillator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/14 18:46
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Spectrochimica Acta Part B: Atomic Spectroscopy, Jan 2004
...232-5 Elsevier B.V. Double **modulation** diode laser absorption...combination of various **harmonics** of the wavelength **modulation** and chopping frequencies...frequencies (combination of **harmonics** of the two **modulation** frequencies), although...
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 Aug 2001
 ...5GHZ DIRECT **QUADRATURE** MODULATOR...DQPSK,QAM
Modulation · GSM, DCS...integrated **quadrature** modu-
 lator...universal direct **modulation** for high...V Maximum **Modulation**
 (I&Q) VREF...Asymmetry 0.2 dB **Quadrature** Phase Error...At 2500MHz
Harmonic Output -30 -35 dBc Sideband **Suppression** 25 35 dB
 Carrier...
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- ☐ **6. 10.4: A 1.75GHz Highly-Integrated Narrow-Band CMOS Transmitter with Harmonic-Rejection Mixers**
 May 2001
 ...an image/**harmonic**- rejection...and two **quadrature**
 generation...maintaining **modulation** accuracy...Figure 10.4.2:
Harmonic rejection...VCO buffer **quadrature** phase shifter...Results of
 GSM **modulation** accuracy...Sideband **Suppression** -53dBc
 LO2...Figure 10.4.2: **Harmonic** rejection...VCO buffer **quadrature**
 phase shifter...Results of GSM **modulation** accuracy...
[\[http://kabuki.eecs.berkeley.edu/~rsn/papers/ISSCC2001_...\]](http://kabuki.eecs.berkeley.edu/~rsn/papers/ISSCC2001_...)
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- ☐ **7. Db97.bk(2422)**
 Oct 1998
 ...integrated **quadrature** modu- lator...universal direct **modulation** for
 high...amplifiers for the **modulation** inputs, 90...Integrated RF
Quadrature Network...V Maximum **Modulation** (I&Q)
 VREF...Asymmetry 0.2 dB **Quadrature** Phase Error...At 2500MHz
Harmonic Output -30...Hz Sideband **Suppression** 25 35 dB Carrier...
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 pages/rfmicro.dir...]
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- ☐ **8. Notes on Modulation Techniques**
 Jan 2004
 Notes on **modulation** Sine waves propagate...built from many
harmonics or sine waves...higher frequency **harmonics** need to be
 sent...wave. Different **modulation** techniques include...PSM are used in
Quadrature Amplitude **Modulation**. The following...
[\[http://williams.comp.ncat.edu/Networks/modulate.htm\]](http://williams.comp.ncat.edu/Networks/modulate.htm)
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- ☐ **9. Physik: DPG Tagungen - Sitzung Q 31**
 Mar 2004
 ...high efficient type II second **harmonic** generation Klaus
 Finsterbusch...novel scheme of Type II second **harmonic** generation
 (SHG) of Gaussain...squeezing occurs in the first **quadrature**. When
 the NDPO operates below...squeezing amounting to a noise
suppression approaching 100% below the...
[\[http://dpg.rz.uni-ulm.de/prog/html/q_31.html\]](http://dpg.rz.uni-ulm.de/prog/html/q_31.html)
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- ☐ **10. Radio Frequency and Modulation SystemsPart 1: Earth Stations and Spacecraft**
 Oct 2001
 ...STANDARDS RADIO FREQUENCY AND **MODULATION** SYSTEMS--
 PART 1 EARTH STATIONS...RECOMMENDATIONS FOR RADIO
 FREQUENCY AND **MODULATION** SYSTEMS Earth Stations and...2.3.7-1
 2.3.8 RF CARRIER **SUPPRESSION** ON SPACE-TO-EARTH LINKS
 FOR...01-87 2.4.3-1 2.4.4 PSK **MODULATION** FOR TELEMETRY
 SUBCARRIERS...
[\[http://ftp.ccsds.org/standards/ccsds/pdf/CCSDS-401.0-B...\]](http://ftp.ccsds.org/standards/ccsds/pdf/CCSDS-401.0-B...)
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- ☐ 1. [A Single-Chip 900-MHz Spread-Spectrum Wireless Transceiver in 1-/spl mu/ m CMOS-Part I: Architecture - Solid-State Circuits, ...](#)
Oct 1999
...a digital **frequency** synthesizer, a double **quadrature** upconverter, an integrated **oscillator**, and a power...samples. The **quadrature** outputs synthesize...A fixed- **frequency oscillator** upconverts...but without **modulation**, is used as the local **oscillator** (LO) in the...user's carrier **frequency** to dc and...and) in **quadrature** downconversion...paths [5]. A **low-pass** channel-select...
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- ☐ 2. [Db97.bk\(Ta0019\)](#)
Oct 1998
...or I/Q, **modulation** is frequently...intermediate **frequency** (IF) of anywhere...The RF2703 **Quadrature** Modulator...supply. This **low** cost, high...5) After **low-pass** filtering...illustrate SSB **modulation**. The RF2703...configured as a **quadrature** modu- lator...Typical carrier **suppression** for the RF2703...Output vs. I/Q **Modulation** Level Modulated...IF Output **Frequency** (**Low** Side LO Injection...
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- ☐ 3. [Document:](#)
Nov 2000
...Gaussian **low-pass** filter, then...VCO with **modulation** index (2 x **frequency** deviation...modulator (by **quadrature**), as shown...Figure 7. This **modulation** technique...in a given **frequency** band. This...AN1981, "New **low-power** single...modulating an **oscillator** at lower...Apply the **Oscillator** of the SA602 in **Low-Power** Mixer...external **low-pass** filter, can...transmit offset **frequency**. The image...
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...microwave **frequency** bands. The...keying (BPSK) **modulation** at a 1-Mbit...rate and **quadrature** phase shift...such as **low**-cost direct...in-channel) and Q (**quadrature** channel) **modulation** outputs for...the local **oscillator** (LO) self-mixing...GHz. VCO **frequency** jumps during...carrier leakage **suppression** that is equivalent...single tone **modulation** signal. When...active analog **low-pass** filters...
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☐ 5. [Phase Noise and AM Noise Measurements in the Frequency Domain](#)
Mar 2001

...Domain D. **Modulation** Theory and...Noise in the **Frequency** Domain III...Using the Two-**Oscillator** Technique...applied in **quadrature** to a phase-sensitive...The single-**oscillator** measurement...designed using a **frequency** cavity or...composite of **low-frequency** signals...separated by the **modulation frequency**...
[http://www.boulder.nist.gov/timefreq/general/tn1337/Tn...]
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☐ 6. [Integrated RF building blocks for base station applications](#)
Jan 2003

...voltage controlled **oscillator** and the loop...multi-modulus divider and **low**-noise programmable...optimised for fast **frequency** switching. Therefore...mixers, filters, **low**-noise amplifiers, **frequency** synthesizers...the operating **frequency**, namely **low** and high **frequency**...
[http://herkules.oulu.fi/isbn951426908X/isbn951426908X....]
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☐ 7. [Index](#)
Jan 2004

...1979/3 A **Frequency** Doubler for...Two Stage **Low** Noise Preamplifiers...Noise 96 MHz **Oscillator** for UHF/SHF...231 1981/2 **Low** Noise VHF **Oscillator** with Diode Tuning, Digital **Frequency** Control and...S3030 in a **Low** Noise Preamplifier...VXO Local **Oscillator** for 144 MHz...VFO with **Frequency** Locked Loop...
[http://www.clearlight.com/~vhfcomm/index/download/inde...]
[similar results](#)

☐ 8. [Ta0007.fm](#)
May 2002

...beauty of a **quadrature** modulator...and digital **modulation**. Amplitude, phase, and **frequency modulation**...characteristics of a **quadrature** modulator...carrier **suppression**, image **suppression**...implement SSB **modulation** is a relatively...the local **oscillator** (LO) input...modulator at the **frequency** of transmission...2GHz center **frequency** so that when...the high-**pass** filter attenuates...likewise for the **low-pass** filter...amplify the two **quadrature** signals to...
[http://www.rfmd.com/DataBooks/db97/ta0007.pdf]
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☐ 9. [II. THE I/Q MISMATCH](#)
May 2002

...transmitter **oscillator**, unbalanced **low pass** filters are...adjacent channel **suppression**. They require...the image **frequency**, which is...and the **Quadrature** (Q) channels...possess an **oscillator**, which is...exactly same **frequency**, and phase...end. The **low pass** filters at...CANCELLATION FOR **QUADRATURE** IF RECEIVERS...butter worth **low pass** filter with cut-off **frequency** 8.5 Mhz is...filters and the **oscillators** in the two...
[http://bruce.engr.ucf.edu/~prp/paper6.pdf]
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- ☐ **10.** * To obtain a copy of the graphics references that are to be used with
May 2003
...C) [97.5a] How soon after you **pass** the elements required for
your...this information the FCC T1B **Frequency** privileges authorized to
the Technician...packet controller C. The variable **frequency oscillator**
of a transmitter D. The location...
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1 Bandpass filtering using quadrature modulation

Hazra, S.N.;

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Volume: 46 , Issue: 12 , Dec. 1999

Pages:1516 - 1518

[\[Abstract\]](#) [\[PDF Full-Text \(84 KB\)\]](#) **IEEE JNL**

2 One structure for efficient narrow-band bandpass FIR filters

Jovanovic-Dolecek, G.; Diaz-Carmona, J.;

Circuits and Systems, 2002. MWSCAS-2002. The 2002 45th Midwest Symposium on , Volume: 3 , 4-7 Aug. 2002

Pages:III-485 - III-488 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(299 KB\)\]](#) **IEEE CNF**

3 One approach to a modulation of a bandpass signal

Dolecek G., J.;

Circuits and Systems, 1999. 42nd Midwest Symposium on , Volume: 2 , 8-11 Aug. 1999

Pages:682 - 685 vol. 2

[\[Abstract\]](#) [\[PDF Full-Text \(200 KB\)\]](#) **IEEE CNF**

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<u>09883947</u>	Not Issued	030	06/20/2001	QUADRATURE MODULATION APPARATUS, RADIO TRANSMISSION APPARATUS USING QUADRATURE MODULATION APPARATUS AND QUADRATURE MODULATION METHOD	SHIBATA, SHIGERU
<u>08705783</u>	<u>5955204</u>	150	08/30/1996	TRANSFER MATERIAL AND TRANSFER PRODUCT	SHIBATA , SHIGERU
<u>06591146</u>	Not Issued	161	03/19/1984	CHARGING METHOD FOR POLYMERIZATION OF VINYL CHLORIDE	SHIBATA , SHIGERU
<u>06532820</u>	Not Issued	161	09/16/1983	METHOD FOR EMERGENCY STOPPAGE OF A POLYMERIZATION REACTION	SHIBATA , SHIGERU
<u>06347159</u>	Not Issued	161	02/09/1982	METHOD FOR POLYMERIZATION OF VINYL CHLORIDE	SHIBATA , SHIGERU
<u>06320004</u>	Not Issued	166	11/10/1981	METHOD FOR EMERGENCY STOPPAGE OF A POLYMERIZATION REACTION	SHIBATA , SHIGERU

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